

ICOPS 2023

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Sessions	
1.0 Basic Processes in Fully/Partially Ionized Plasmas	Jacob Stephens TTU
1.1 Basic Phenomena	Luca Vialetto, Univ. Kiel
1.2 Computational Plasma Physics	Andrew Fierro, UNM
1.3 Space Plasmas	Heath LeFevre, UM
1.4 Partially ionized Plasmas	Brett Scheiner, LANL
1.5 Dusty & Strongly Coupled Plasmas	Lorin Matthews, Baylor
1.6 Plasma Chemistry	Emile Carbone, INRS
2.0 Microwave Generation and Plasma Interactions	Artem Kuskov - Verus Research and Edl Schamiloglu - UNM
2.1 Intense Beam Microwave Generation	Ryan McBride, U. Michigan
2.2 Fast-Wave Devices	EunMi Choi, Ulsan National Institute of Science and Technology, S. Korea
2.3 Slow-Wave Devices	Matt Franzi, AFRL
2.4 Vacuum Microelectronics & THz Devices	Ricky Ang, Singapore U. of Design and Technology
2.5 Codes and Modeling	Tim Fleming, AFR
2.6 Non-Fusion Microwave Systems	Sarita Prasad, Innovative Microwave Systems-Pro
2.7 Microwave Plasma Interaction	Yakov Krasik, Technion
2.8 Microwave Amplifiers	Monica Blank, CPI
2.9 Solid State HPM	Fernanda Yamasaki, INPE Brazil
3.0 Charged Particle Beams and Sources	Nick Jordan, Michigan
3.1 Plasma, Ion, and Electron Sources	Jeff Woolstrum SNL
3.2 Intense Electron Ion Beams	Jesse Foster NRL
3.3 Accelerators	Xu Haoran LANL
3.3 Diagnostics	Nicholas Ramey LANL
4.0 High Energy Density Plasmas and Applications	Simon Bott-Suzuki, UC San Diego and Jack Hare MIT
4.1 Fusion - Inertial, Magnetic & Alternate Concepts	Sam Langendorf LANL
4.2 Particle Acceleration with Lasers and Beams	Sabrina Nagel LLNL
4.3 Matter Under Extreme Conditions	Pia Valdivia UCSD
4.4 Laser Produced Plasmas	Eleanor Tubman LLNL
4.5 Fast Z Pinches	Jacob Banasek SNL
4.6 Astrophysical Plasmas	Bart Dunlap UT Austin
4.7 Plasma Material Interactions	Tyler Abrahms GA
5.0 Industrial/Commercial/Medical Plasma Applications	F. Peng – Michigan State
5.1 Nonequilibrium Plasma Applications	Brian Z Bentz, Sandia, Chengkun Huang, LANL
5.2 High-Pressure and Thermal Plasma Processing	Hae June Lee, Pusan National U, Amanda M Loveless, Purdue
5.3 Plasma Thrusters	Ken Hara, Stanford U, Bhuvana Srinivasan, VT

5.4 Environmental and Industrial Applications	Chunqi Jiang, ODU, Jim Browning, Boise State
5.5 Medical and Biological Applications	Lin Wu, STUTD Singapore, Allen L Garner, Purdue
5.6 Multipactor Effects, test beds and modeling	Asif Iqbal, MSU, Mirhamed Mirmozafar, U Wisconsin
6.0 Plasma Diagnostics	Josh Coleman LANL, Kelly Hahn LLNL
6.1 Optical and X-ray Diagnostics	Heather Johns LANL
6.2 Microwave and FIR Diagnostics	Ben Tobias Verus, Scott Kovaleski U. Missouri
6.3 Particle Diagnostics	Verena Geppert-Kleinrath, LANL, Georg Muller (KIT)
7.0 Pulsed Power and Other Plasma Applications	Nicki Bennett, SNL and Mike Mazarakis, SNL
7.1 Insulation and Dielectric Breakdown	Ioana Paraschiv Voss Scientific
7.2 Switching	Trevor Burris-Mog, NNSS
7.3 Generators	Jose Rossi NISR
7.4 Compact Pulsed Power and Applications	Radu Presura NNSS
8.0 Matter at Extreme conditions	S. Bland – Imperial and M Knudson SNL
8.1 Low strain rate and stress – e.g. polymers, composites, material strength	Eric Brown LANL and P. Rigg WSU
8.2 Medium strain rates – e.g. phase changes	Arianna Gleason SLAC and C. Bolme LANL
8.3 Extreme states - warm dense matter and HEDP	D. Swift LLNL and Rip Collins UR
8.4 High pressure theory and simulations	Sarah Stewart UC Davis and Andy Porwitzky SNL
8.5 Advanced diagnostics	R. Smith LLNL and Katarina Falk HZDR
8.6 Driver and experimental developments	Tommy Ao SNL and Y. Krasik Technion